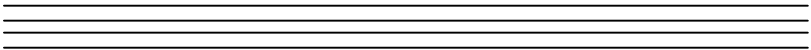


THERMAL ENVELOPE CONFIGURATION:

The thermal envelope of the building depends on 4 wall types assemblies. These wall assemblies respond to the needs of structure at different points of the building.

GLAZING:

r-value: 3.00



MTL STUD WALL:

METAL PANEL

r-value: 1.00

2" RIGID INSULATION

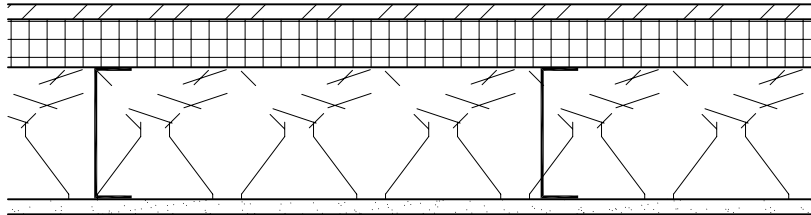
r-value: 4.00

6" MTL STUDS

r-value: 3.20

GYP BOARD

r-value: .56



CMU WALL:

METAL PANEL

r-value: 1.00

2" RIGID INSULATION

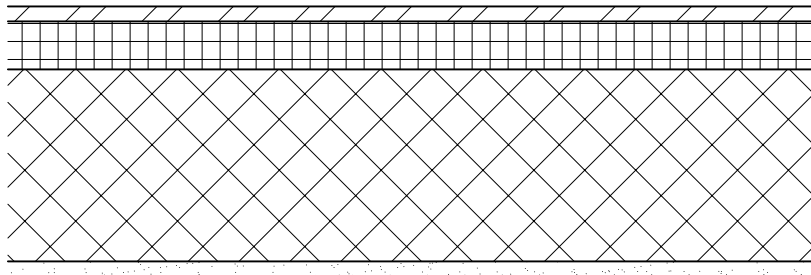
r-value: 4.00

CMU

r-value: 1.1

GYP BOARD

r-value: .56



PARTY WALL:

GYP BOARD

r-value: .56

MTL STUDS WITH

BATT INSULATION

r-value: 3.20

CMU

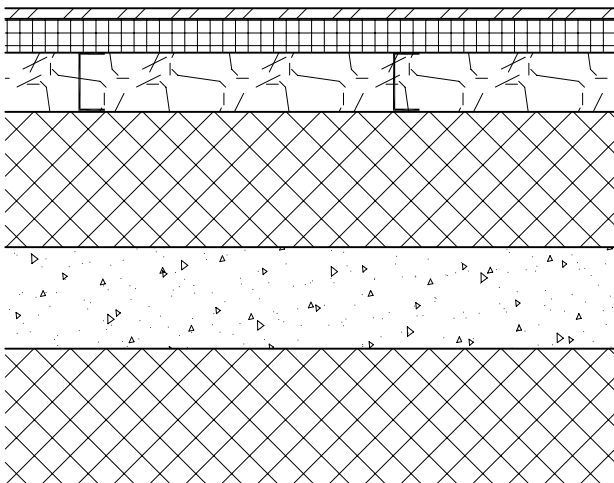
r-value: 1.1

CONCRETE WITH REBAR

r-value: 0.08

CMU

r-value: 1.1



Project Name:

3500 STUDIO PROJECT

City, Country

Houston, Texas USA

Latitude/Longitude/Elevation

29°45'46"N 95°22'59"W  
43ft

DAVID NORTHCUTT BROWN  
0398907

ARCH 3427  
TECHNOLOGY 3

DOSSIER ONE